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RAW SEQUENCE LISTING
 PATENT APPLICATION: US/09/549,463A

DATE: 04/12/2002
 TIME: 14:01:45

Input Set : A:\EP.txt
 Output Set: N:\CRF3\04122002\I549463A.raw

3 <110> APPLICANT: Hatteboer, Guus
 4 Verhulst, Karine Cornelia
 5 Schouten, Govert Johan
 6 Uytdehaag, Alphonsus Gerardus Cornelis Maria
 7 Bout, Abraham
 9 <120> TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN A HUMAN CELL
 11 <130> FILE REFERENCE: 4038.1US
 13 <140> CURRENT APPLICATION NUMBER: 09/549,463A
 15 <141> CURRENT FILING DATE: 2000-04-14
 16 <150> PRIOR APPLICATION NUMBER: 06/129,452
 18 <151> PRIOR FILING DATE: 1999-04-15
 20 <160> NUMBER OF SEQ ID NOS: 32
 22 <170> SOFTWARE: PatentIn version 3.1
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 41
 26 <212> TYPE: DNA
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: PCR Primer-DHFR up, synthesized sequence
 32 <400> SEQUENCE: 1
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 36 <210> SEQ ID NO: 2
 37 <211> LENGTH: 37
 38 <212> TYPE: DNA
 39 <213> ORGANISM: Artificial Sequence
 41 <220> FEATURE:
 42 <223> OTHER INFORMATION: PCR Primer-DHFR down, synthesized sequence
 44 <400> SEQUENCE: 2
 45 gatccacgtg agatctttaa tcattttctt catatac 37
 48 <210> SEQ ID NO: 3
 49 <211> LENGTH: 85
 50 <212> TYPE: DNA
 51 <213> ORGANISM: Artificial Sequence
 53 <220> FEATURE:
 54 <223> OTHER INFORMATION: polylinker fragment, synthesized sequence, restriction
 fragment from
 55 digestion of pIPspAdapt 6 with AgeI and Bam HI
 57 <400> SEQUENCE: 3
 58 accggtaat tcggcgcc gtcgacgata tcgatggac cgacgcgttc gcgaggccc 60
 60 gcaattcgct agcgttaacg gatcc 85
 63 <210> SEQ ID NO: 4
 64 <211> LENGTH: 86
 65 <212> TYPE: DNA
 66 <213> ORGANISM: Artificial Sequence

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68 <220> FEATURE:
 69 <223> OTHER INFORMATION: polylinker fragment, synthesized sequence, restriction fragment from
 70 digestion of pIPspAdapt7 with AgeI and Bam HI
 72 <400> SEQUENCE: 4
 73 accggtaat tgcggccgct cgcgAACGCG tcggtccgta tcgatatcgt cgacggcgcg 60
 75 cccaaattcgc tagcgttaac ggatcc 86
 78 <210> SEQ ID NO: 5
 79 <211> LENGTH: 43
 80 <212> TYPE: DNA
 81 <213> ORGANISM: Artificial Sequence
 83 <220> FEATURE:
 84 <223> OTHER INFORMATION: PCR Primer-EPO-START, synthesized sequence
 86 <400> SEQUENCE: 5
 87 aaaaaggatc cgccaccatg ggggtgcacg aatgtcctgc ctg 43
 90 <210> SEQ ID NO: 6
 91 <211> LENGTH: 38
 92 <212> TYPE: DNA
 93 <213> ORGANISM: Artificial Sequence
 95 <220> FEATURE:
 96 <223> OTHER INFORMATION: PCR Primer-EPO-STOP, synthesized sequence
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 99 aaaaaggatc ctcatctgtc ccctgtcctg caggcctc 38
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 103 <211> LENGTH: 47
 104 <212> TYPE: DNA
 105 <213> ORGANISM: Artificial Sequence
 107 <220> FEATURE:
 108 <223> OTHER INFORMATION: PCR Primer-LTR-1, synthesized sequence
 110 <400> SEQUENCE: 7
 111 ctgtacgtac cagtgcactg gcctaggcat ggaaaaatac ataactg 47
 114 <210> SEQ ID NO: 8
 115 <211> LENGTH: 64
 116 <212> TYPE: DNA
 117 <213> ORGANISM: Artificial Sequence
 119 <220> FEATURE:
 120 <223> OTHER INFORMATION: PCR Primer-LTR-2, synthesized sequence
 122 <400> SEQUENCE: 8
 123 gcgatcctt cgaaccatgg taagcttggt accgctagcg ttaaccggc gactcagtca 60
 125 atcg 64
 128 <210> SEQ ID NO: 9
 129 <211> LENGTH: 28
 130 <212> TYPE: DNA
 131 <213> ORGANISM: Artificial Sequence
 133 <220> FEATURE:
 134 <223> OTHER INFORMATION: PCR Primer-HSA1, synthesized sequence
 136 <400> SEQUENCE: 9
 137 gcccaccat gggcagagcg atggtggc 28
 140 <210> SEQ ID NO: 10
 141 <211> LENGTH: 50

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145 <220> FEATURE:
146 <223> OTHER INFORMATION: PCR Primer-HSA2, synthesized sequence
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153 <211> LENGTH: 10
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Oligonucleotide, synthesized sequence, EcoRI linker
160 <400> SEQUENCE: 11
161 ttaaagtgcac 10
164 <210> SEQ ID NO: 12
165 <211> LENGTH: 10
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, EcoRI linker
172 <400> SEQUENCE: 12
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176 <210> SEQ ID NO: 13
177 <211> LENGTH: 23
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181 <220> FEATURE:
182 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PacI linker
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189 <211> LENGTH: 67
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PLL-1
196 <400> SEQUENCE: 14
197 gccatcccta ggaaggttgg taccgggtgaa ttgcgttagcg ttaacggatc ctctagacga 60
199 gatctgg 67
202 <210> SEQ ID NO: 15
203 <211> LENGTH: 67
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: oligonucleotide, synthesized sequence, PLL-2
210 <400> SEQUENCE: 15
211 ccagatctcg tctagaggat ccgttaacgc tagcgaattc accggtagca agcttcctag 60
213 ggatggc 67
216 <210> SEQ ID NO: 16

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217 <211> LENGTH: 39
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
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222 <223> OTHER INFORMATION: PCR Primer-CMVplus, synthesized sequence
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229 <211> LENGTH: 29
230 <212> TYPE: DNA
231 <213> ORGANISM: Artificial Sequence
233 <220> FEATURE:
234 <223> OTHER INFORMATION: PCR Primer-CMVminA, synthesized sequence
236 <400> SEQUENCE: 17
237 gatcaagctt ccaatgcacc gttcccgcc 29
240 <210> SEQ ID NO: 18
241 <211> LENGTH: 34
242 <212> TYPE: DNA
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: PCR Primer-CAMH-UP, synthesized sequence
248 <400> SEQUENCE: 18
249 gatcgatatac gctaggaccca agggcccatc ggtc 34
252 <210> SEQ ID NO: 19
253 <211> LENGTH: 30
254 <212> TYPE: DNA
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257 <220> FEATURE:
258 <223> OTHER INFORMATION: PCR Primer-CAMH-DOWN, synthesized sequence
260 <400> SEQUENCE: 19
261 gatcggttaa actcatttac ccggagacag 30
264 <210> SEQ ID NO: 20
265 <211> LENGTH: 28
266 <212> TYPE: DNA
267 <213> ORGANISM: Artificial Sequence
269 <220> FEATURE:
270 <223> OTHER INFORMATION: PCR Primer-CAML-UP, synthesized sequence
272 <400> SEQUENCE: 20
273 gatccgtacg gtggctgcac catctgtc 28
276 <210> SEQ ID NO: 21
277 <211> LENGTH: 31
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: PCR Primer-CAML-DOWN, synthesized sequence
284 <400> SEQUENCE: 21
285 gatcggttaa acctaacaact ctccccgtt g 31
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 20

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290 <212> TYPE: PRT
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: leader peptide sequence, synthesized sequence
296 <400> SEQUENCE: 22
298 Met Ala Cys Pro Gly Phe Leu Trp Ala Leu Val Ile Ser Thr Cys Leu
299 1 5 10 15
302 Glu Phe Ser Met
303 20
306 <210> SEQ ID NO: 23
307 <211> LENGTH: 60
308 <212> TYPE: DNA
309 <213> ORGANISM: Artificial Sequence
311 <220> FEATURE:
312 <223> OTHER INFORMATION: oligonucleotide-leader peptide coding sequence, synthesized sequence
314 <400> SEQUENCE: 23
315 atggcatgcc ctggcttcgt gtggcactt gtgatctcca cctgtcttga attttccatg 60
318 <210> SEQ ID NO: 24
319 <211> LENGTH: 38
320 <212> TYPE: DNA
321 <213> ORGANISM: Artificial Sequence
323 <220> FEATURE:
324 <223> OTHER INFORMATION: PCR Primer-UBS-UP, synthesized sequence
326 <400> SEQUENCE: 24
327 gatcacgcgt gtagccacc atggcatgcc ctggcttc 38
330 <210> SEQ ID NO: 25
331 <211> LENGTH: 20
332 <212> TYPE: PRT
333 <213> ORGANISM: Artificial Sequence
335 <220> FEATURE:
336 <223> OTHER INFORMATION: leader peptide, synthesized sequence
338 <400> SEQUENCE: 25
340 Met Ala Cys Pro Gly Phe Leu Trp Ala Leu Val Ile Ser Thr Cys Leu
341 1 5 10 15
344 Glu Phe Ser Met
345 20
348 <210> SEQ ID NO: 26
349 <211> LENGTH: 60
350 <212> TYPE: DNA
351 <213> ORGANISM: Artificial Sequence
353 <220> FEATURE:
354 <223> OTHER INFORMATION: oligonucleotide-leader peptide coding sequence, synthesized sequence
356 <400> SEQUENCE: 26
357 atggcatgcc ctggcttcgt gtggcactt gtgatctcca cctgtcttga attttccatg 60
360 <210> SEQ ID NO: 27
361 <211> LENGTH: 28
362 <212> TYPE: DNA
363 <213> ORGANISM: Artificial Sequence
365 <220> FEATURE:

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/549,463A

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